

Fig. 1

1000

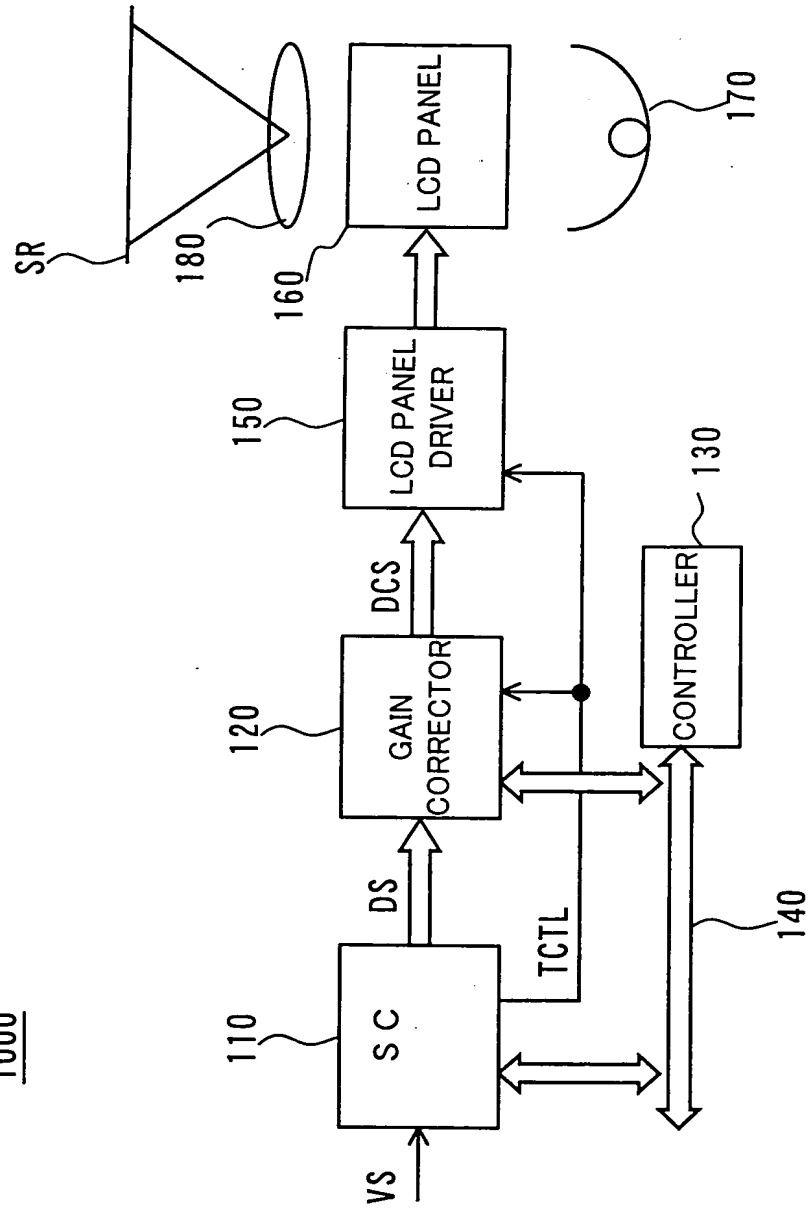


Fig. 2

120

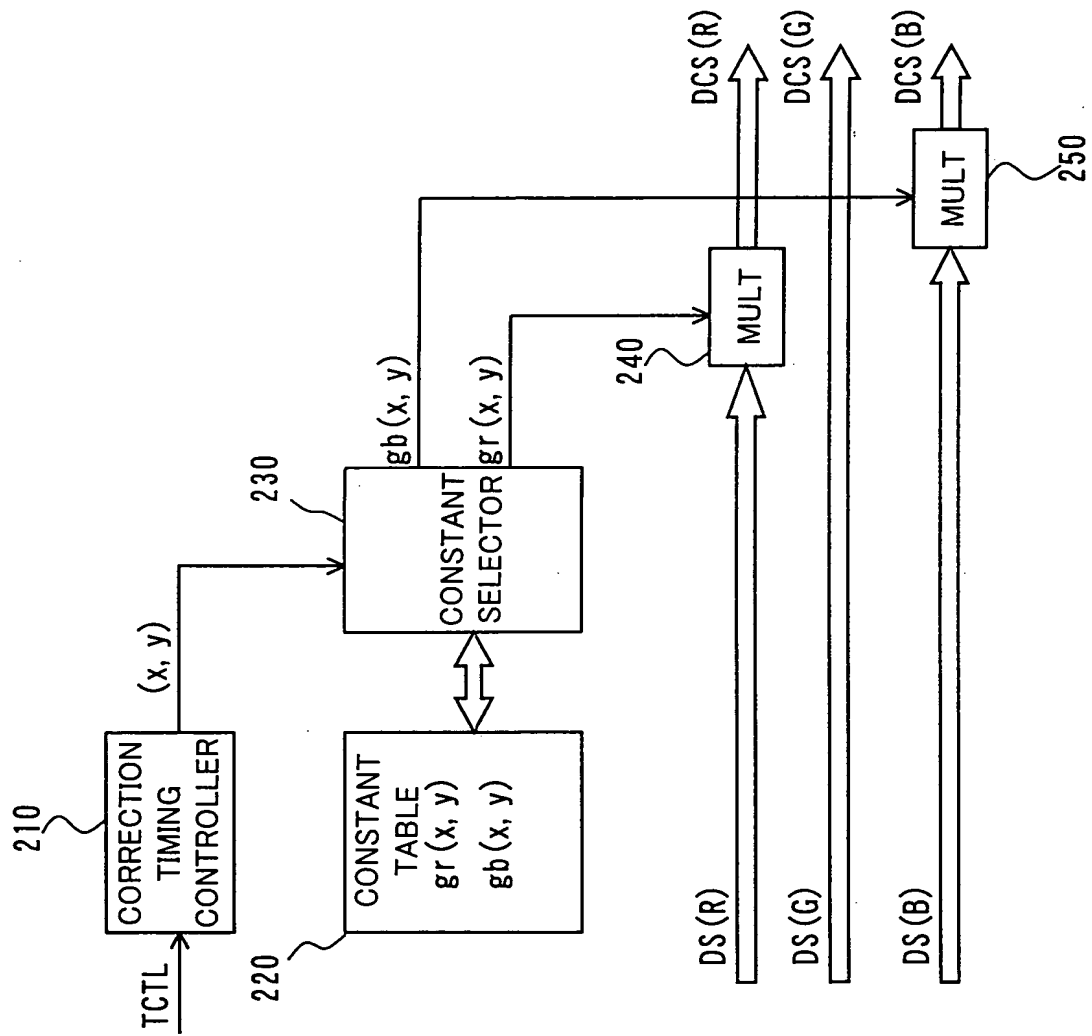


Fig. 3(A)

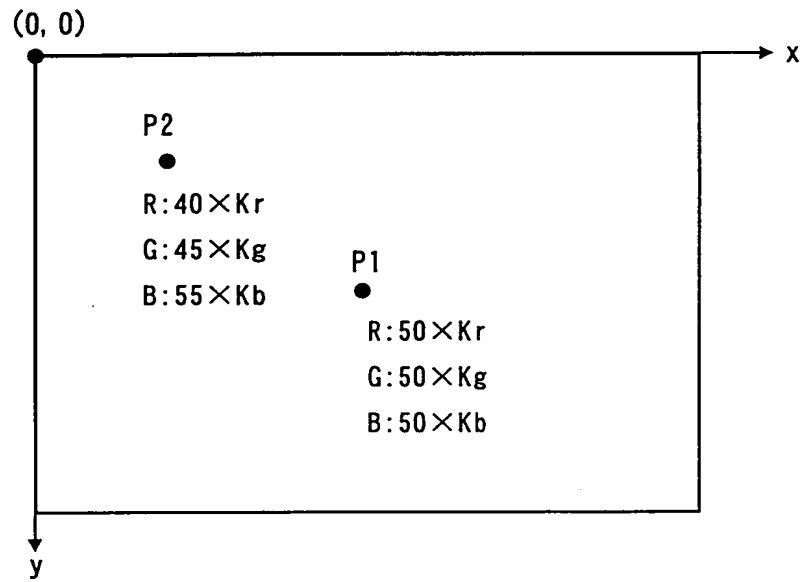


Fig. 3(B)

	<u>SIGNAL LEVEL</u>	<u>CORRECTION FACTOR (GAIN)</u>	<u>LUMINANCE LEVEL CHANGE (FILTER CHARACTERISTICS)</u>	<u>LUMINANCE LEVEL</u>
METHOD 1	DS (R) : 50	$\times (50/40)$	$\times (40/50)$	R: $50 \times K_r$
	DS (G) : 50	$\times (50/45)$	$\times (45/50)$	G: $50 \times K_g$
	DS (B) : 50	$\times (50/55)$	$\times (55/50)$	B: $50 \times K_b$
Jr				
METHOD 2 (EMBODIMENT)	DS (R) : 50	$\times (45/40)$	$\times (40/50)$	R: $45 \times K_r$
	DS (G) : 50	$\times 1$	$\times (45/50)$	G: $45 \times K_g$
	DS (B) : 50	$\times (45/55)$	$\times (55/50)$	B: $45 \times K_b$

Fig. 4

120A

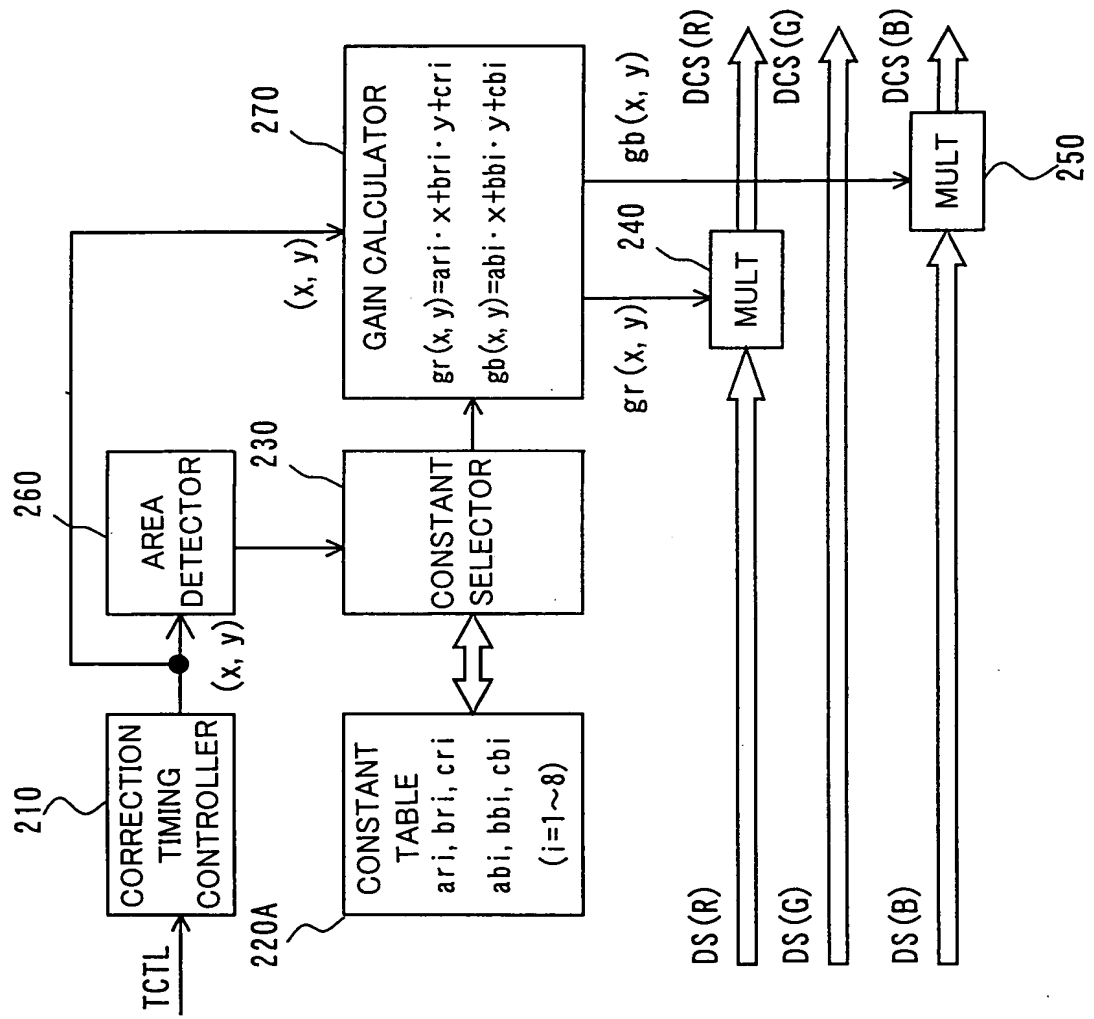


Fig. 6(A)

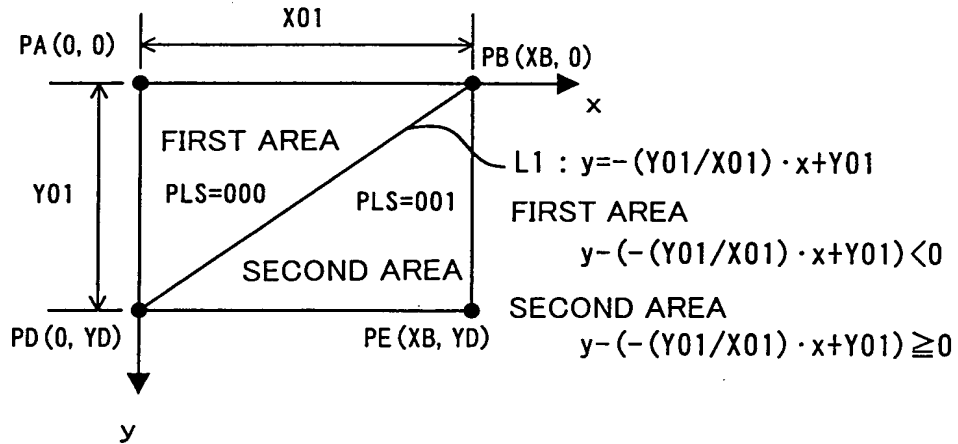


Fig. 6(B)

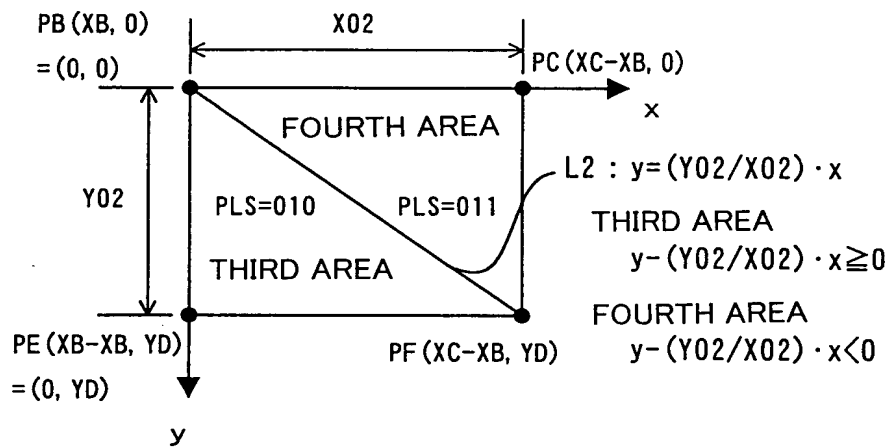


Fig. 7(A)

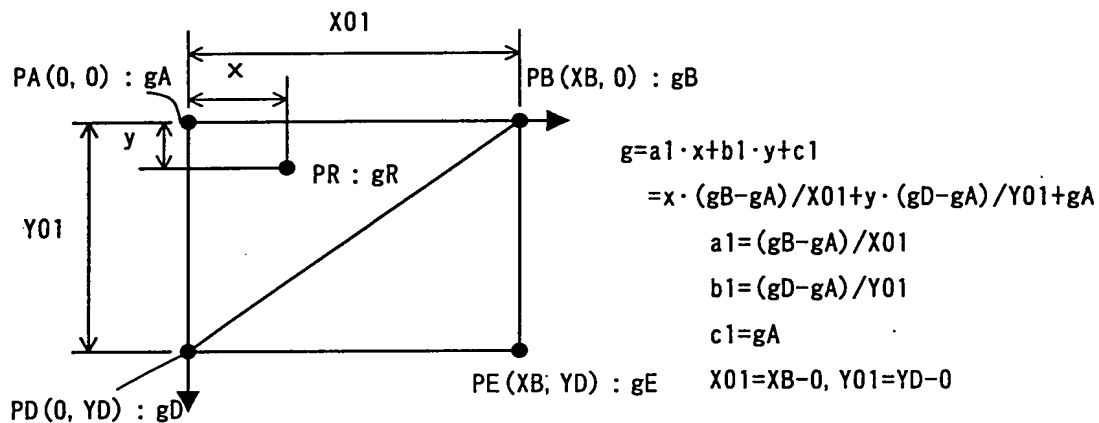


Fig. 7(B)

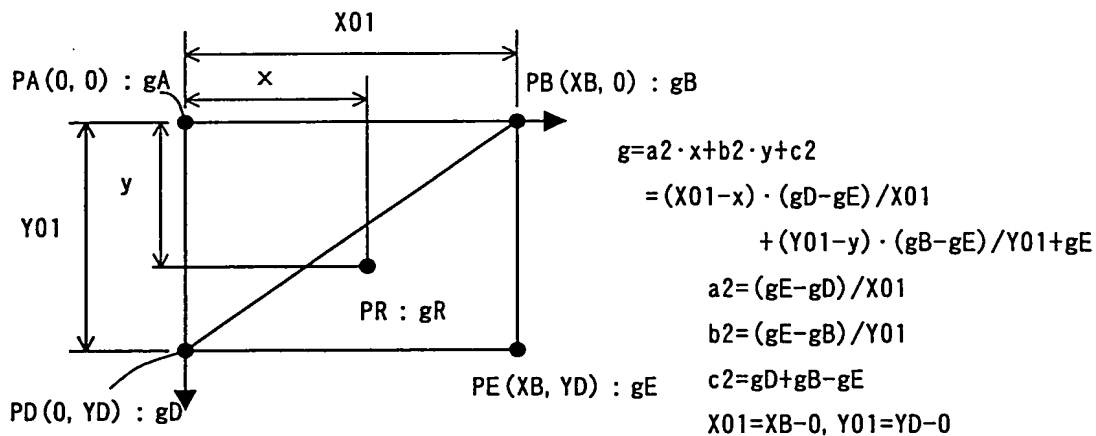


Fig. 8

AREA	RED GAIN	BLUE GAIN
1	$gr = ar1 \cdot x + br1 \cdot y + cr1$ $ar1 = (gBr - gAr) / X01$ $br1 = (gDr - gAr) / Y01$ $cr1 = gAr$ $X01 = XB - 0, Y01 = YD - 0$	$gb = ab1 \cdot x + bb1 \cdot y + cb1$ $ab1 = (gBb - gAb) / X01$ $bb1 = (gDb - gAb) / Y01$ $cb1 = gAb$ $X01 = XB - 0, Y01 = YD - 0$
2	$gr = ar2 \cdot x + br2 \cdot y + cr2$ $ar2 = (gEr - gDr) / X01$ $br2 = (gEr - gBr) / Y01$ $cr2 = gDr + gBr - gEr$ $X01 = XB - 0, Y01 = YD - 0$	$gb = ab2 \cdot x + bb2 \cdot y + cb2$ $ab2 = (gEb - gDb) / X01$ $bb2 = (gEb - gBb) / Y01$ $cb2 = gDb + gBb - gEb$ $X01 = XB - 0, Y01 = YD - 0$
3	$gr = ar3 \cdot x + br3 \cdot y + cr3$ $ar3 = (gFr - gEr) / X02$ $br3 = (gEr - gBr) / Y02$ $cr3 = gBr$ $X02 = XC - XB, Y02 = YD - 0$	$gb = ab3 \cdot x + bb3 \cdot y + cb3$ $ab3 = (gFb - gEb) / X02$ $bb3 = (gEb - gBb) / Y02$ $cb3 = gBb$ $X02 = XC - XB, Y02 = YD - 0$
4	$gr = ar4 \cdot x + br4 \cdot y + cr4$ $ar4 = (gCr - gBr) / X02$ $br4 = (gFr - gCr) / Y02$ $cr4 = gBr$ $X02 = XC - XB, Y02 = YD - 0$	$gb = ab4 \cdot x + bb4 \cdot y + cb4$ $ab4 = (gCb - gBb) / X02$ $bb4 = (gFb - gCb) / Y02$ $cb4 = gBb$ $X02 = XC - XB, Y02 = YD - 0$
5	$gr = ar5 \cdot x + br5 \cdot y + cr5$ $ar5 = (gHr - gGr) / X03$ $br5 = (gGr - gDr) / Y03$ $cr5 = gDr$ $X03 = XB - 0, Y03 = YG - YD$	$gb = ab5 \cdot x + bb5 \cdot y + cb5$ $ab5 = (gHb - gGb) / X03$ $bb5 = (gGb - gDb) / Y03$ $cb5 = gDb$ $X03 = XB - 0, Y03 = YG - YD$
6	$gr = ar6 \cdot x + br6 \cdot y + cr6$ $ar6 = (gEr - gDr) / X03$ $br6 = (gHr - gEr) / Y03$ $cr6 = gDr$ $X03 = XB - 0, Y03 = YG - YD$	$gb = ab6 \cdot x + bb6 \cdot y + cb6$ $ab6 = (gEb - gDb) / X03$ $bb6 = (gHb - gEb) / Y03$ $cb6 = gDr$ $X03 = XB - 0, Y03 = YG - YD$
7	$gr = ar7 \cdot x + br7 \cdot y + cr7$ $ar7 = (gFr - gEr) / X04$ $br7 = (gHr - gEr) / Y04$ $cr7 = gEr$ $X04 = XC - XB, Y04 = YG - YD$	$gb = ab7 \cdot x + bb7 \cdot y + cb7$ $ab7 = (gFb - gEb) / X04$ $bb7 = (gHb - gEb) / Y04$ $cb7 = gEb$ $X04 = XC - XB, Y04 = YG - YD$
8	$gr = ar8 \cdot x + br8 \cdot y + cr8$ $ar8 = (gIr - gHr) / X04$ $br8 = (gIr - gFr) / Y04$ $cr8 = gHr + gFr - gIr$ $X04 = XC - XB, Y04 = YG - YD$	$gb = ab8 \cdot x + bb8 \cdot y + cb8$ $ab8 = (gIb - gHb) / X04$ $bb8 = (gIb - gFb) / Y04$ $cb8 = gHb + gFb - gIb$ $X04 = XC - XB, Y04 = YG - YD$

"OFF" to "ON" the 2550

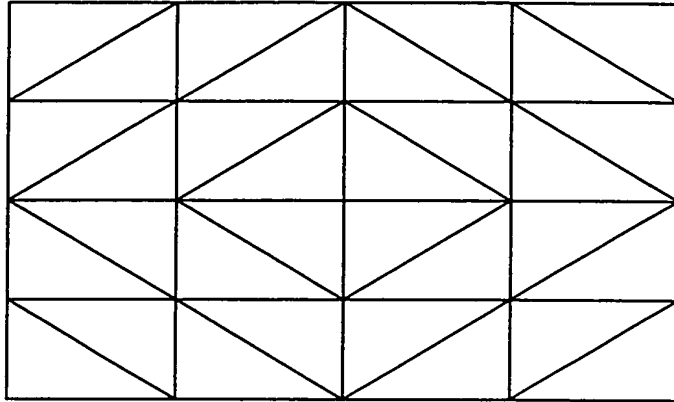
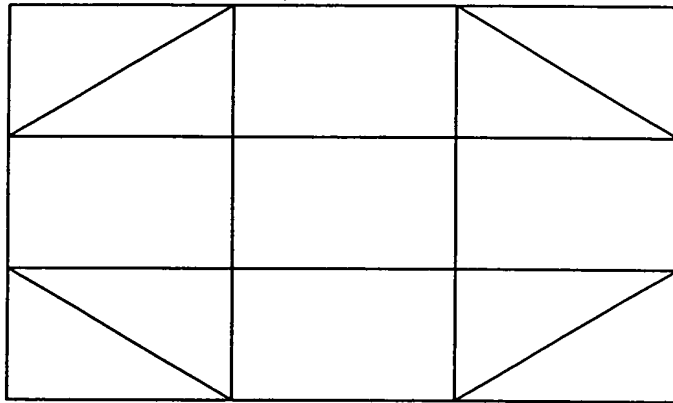
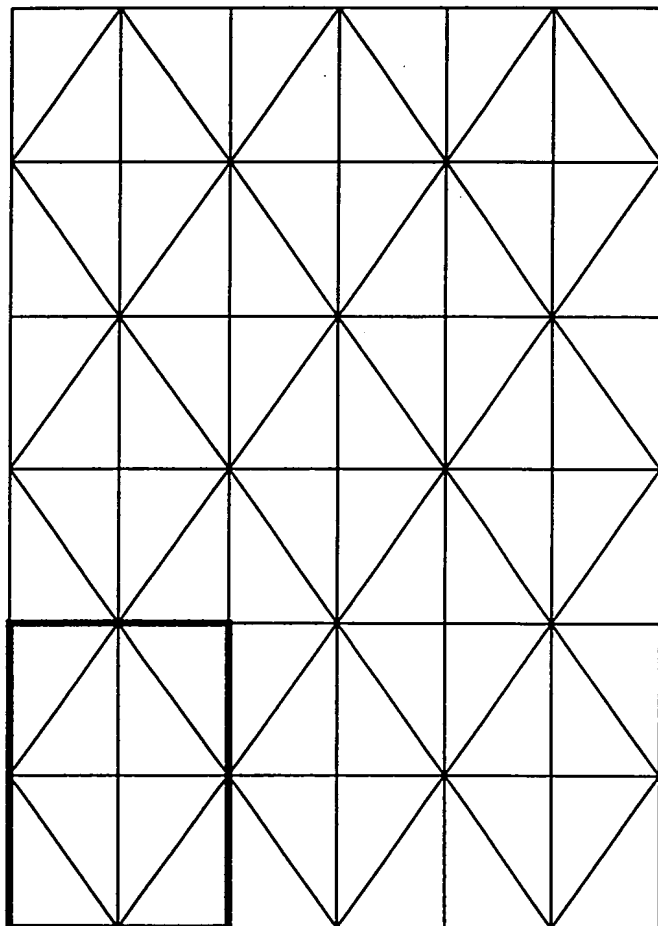
Fig. 9(A)*Fig. 9(B)*

Fig. 10



DOCKET # 192909US2